

## DTS: Aircraft Tracking & Fleet Monitoring



**With over 20 years' experience in airborne products' design, production, installation and certification, NSE today offers systems and services to enhance flight safety and fleet management.**

**To enhance fleet management and for aircraft live tracking, NSE offers a SWaP solution (including ground web services software). When plugged with Flight Recorder BS2, DTS can transmit exceedances and events in real time !**

### Features

- Aircraft identification (by aircraft type and registration number)
- Latitude & longitude position
- Groundspeed
- GNSS Altitude (height above ellipsoid)
- Heading
- Live positioning & status
- Geo-fencing management & alerts
- Flight replay (with BS2 data recorder)

### Benefits

- **Only 2,50 € per flight hour** (500 flight hours per year; emission every 5 minutes)
- **Configurable transmission rate** (from 24 hours down to 30 seconds)
- **Live aircraft tracking** with Cartoweb® web services with SMS / emails notifications
- **Integrated tracking tools for billing** and reporting





NSE has developed a dedicated web service to enhance fleet monitoring and management. Cartoweb enables:

- Secured multi-lingual web service (available on smartphone)
- Worldwide mapping integrated with Bing©
- Monitoring of all the beacons in real time (10 secondes max latency)
- Fleet status and live monitoring of all equipped aircrafts worldwide / per zones / per status
- Zoom in / zoom out
- Geo-fencing management
- SMS / emails notifications
- Aircraft status / information



## Specifications



### DTS v2 Quick Specs

|                    |  |
|--------------------|--|
| Main features      | <ul style="list-style-type: none"> <li>• GPS acquisition</li> <li>• Iridium transmitter / receiver</li> </ul>                                    |
| Connectors         | <ul style="list-style-type: none"> <li>• SUBD 15 pins, SMA (GPS) &amp; TNC (Iridium)</li> </ul>  |
| Digital inputs     | <ul style="list-style-type: none"> <li>• RS422 plugin with BS2</li> </ul>  |
| HMI                | <ul style="list-style-type: none"> <li>• MSG selection &amp; transmission</li> <li>• 189 characters messages</li> <li>• Rotary switch</li> </ul> |
| Power              | <ul style="list-style-type: none"> <li>• 15-35 VdC (15W consumption)</li> </ul>  |
| Dimensions (wxdxh) | <ul style="list-style-type: none"> <li>• 146x130x48 mm</li> </ul>  |
| Mass               | <ul style="list-style-type: none"> <li>• 750 g</li> </ul>  |
| Environment        | <ul style="list-style-type: none"> <li>• DO160 E qualified</li> </ul>  |



### DTS Alpha Quick Specs

|                    |   |
|--------------------|---|
| Main features      | <ul style="list-style-type: none"> <li>• GPS acquisition</li> <li>• Iridium transmitter / receiver</li> </ul> |
| Connectors         | <ul style="list-style-type: none"> <li>• SUBD 15 pins, SMA (GPS) &amp; TNC (Iridium)</li> </ul>               |
| Digital inputs     | <ul style="list-style-type: none"> <li>• RS422 plugin with BS2</li> </ul>                                     |
| HMI                | <ul style="list-style-type: none"> <li>• Status LEDs</li> </ul>   |
| Power              | <ul style="list-style-type: none"> <li>• 15-35 VdC (7W consumption)</li> </ul>                                |
| Dimensions (wxdxh) | <ul style="list-style-type: none"> <li>• 163x125x55mm</li> </ul>  |
| Mass               | <ul style="list-style-type: none"> <li>• 850 g</li> </ul>   |
| Environment        | <ul style="list-style-type: none"> <li>• DO160 E qualified</li> </ul>   |